

# Claims

- [c1] What is claimed is:
- A cooling garment for a person wearing a protective vest, comprising:
- a stretchable fabric body having an inner surface, an outer surface and a plurality of substantially parallel raised protrusions forming air channels on said inner surface directed generally toward a wearer; and
- a fan in communication with said air channels for producing exhaust air flow drawing air out of the space between at least two of the protrusions forming an air channel.
- [c2] The garment of claim 1, wherein the garment comprises a plurality of connectable front and back sections.
- [c3] The garment of claim 1, wherein the protrusions are intrinsic to the inner surface.
- [c4] The garment of claim 1, wherein the protrusions comprise a moisture resistant material.
- [c5] The garment of claim 4, wherein the garment body material comprises a moisture resistant material.

- [c6] The garment of claim 1, wherein at least a portion of the backing material is stretchable.
- [c7] The garment of claim 1, wherein the fan for producing exhaust air flow includes a power switch and a power plug for an electrical outlet.
- [c8] The garment of claim 7 further comprising a portable power source in electrical connection with the fan.
- [c9] The garment of claim 7, further comprising a quick disconnect baffle connected to said fan for quick disconnect of said fan.
- [c10] An air-cooled garment, comprising:  
a sheet of moisture resistant material having an inner surface, an outer surface and a plurality of generally moisture resistant protrusions forming air channels on said inner surface directed generally toward a wearer, wherein the protrusions are adapted for allowing air flow vertically through a top portion and a bottom portion of the garment.
- [c11] A cooling garment for wearing under a protective vest, comprising:  
a sheet of material having an inner surface, an outer surface and a plurality of generally parallel raised protrusions on said inner surface directed generally toward a

wearer forming air channels; and  
means for drawing air out of said garment from said air  
channels.

[c12] The vest of claim 11, wherein the sheet material is part  
of the protective shield.

[c13] The vest of claim 11, wherein the sheet material is  
stretchable.

[c14] The vest of claim 11, wherein the protrusions are gener-  
ally flexible and water resistant.

[c15] The vest of claim 11, further comprising a quick-release  
for the means for drawing air.